

SEMIPERMEABLE SENSORS FOR DETECTING ANALYTE

ABSTRACT

A sensor for detecting an analyte is disclosed that includes a core including hydrogel, fluorescence reagent disposed in the core, a semipermeable coating surrounding the core, the semipermeable coating including a polydisperse polymer having a molecular weight from about 4 kDa to about 18 kDa and a polydispersity index greater than 1 and a biocompatible coating surrounding the semipermeable coating.

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